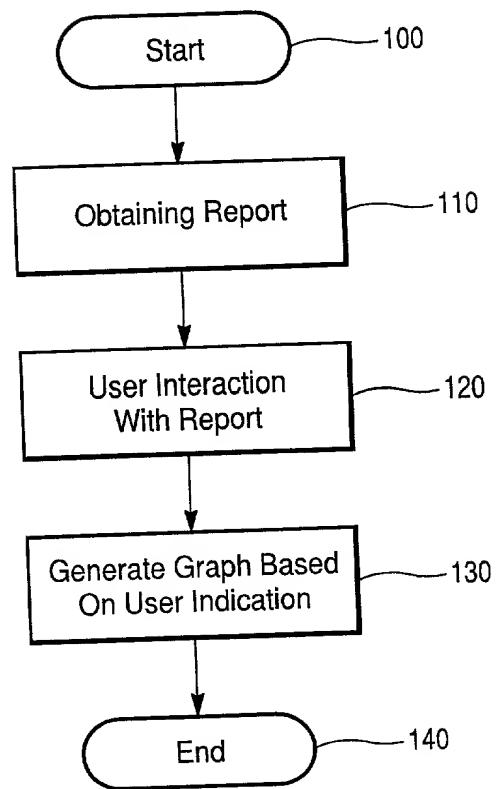


Fig. 1



Title: METHOD, SYSTEM AND
SOFTWARE FOR AUTOMATED
GENERATION OF GRAPHS FROM
REPORT DATA

Inventor(s): Isao MIYADAI
Appl. No.: 09/819,820

Fig. 2A

202

203

203

(1)

Section	Product	Apr.	May	June	July	Aug.	Sept.	Total
Section - 1	A-A	1,000	1,200	900	1,500	750	2,300	7,650
	A-S	800	900	1,100	1,200	900	1,800	6,700

Fig. 2B

202

203

203

Control break key

204

204H

204T

219

204T

220

205T

204

205

206

Total for each control break key

Section	Product	Apr.	May	June	July	Aug.	Sept.	Total
Section - 1	A-A	1,000	1,200	900	1,500	750	2,300	7,650
	A-S	800	900	1,100	1,200	900	1,800	6,700
Section - 2	Control break key	1,800	2,100	2,000	2,700	1,650	4,100	14,350
	A-A	800	2,000	1,000	1,300	600	1,900	7,600
	A-S	1,000	1,300	900	1,200	1,000	2,100	7,500
	A-D	200	250	300	150	200	500	1,600
	Total	2,000	3,550	2,200	2,650	1,800	4,500	16,700
	Dept. Tot.	3,800	5,650	4,200	5,350	3,450	8,600	31,050

Fig. 3A

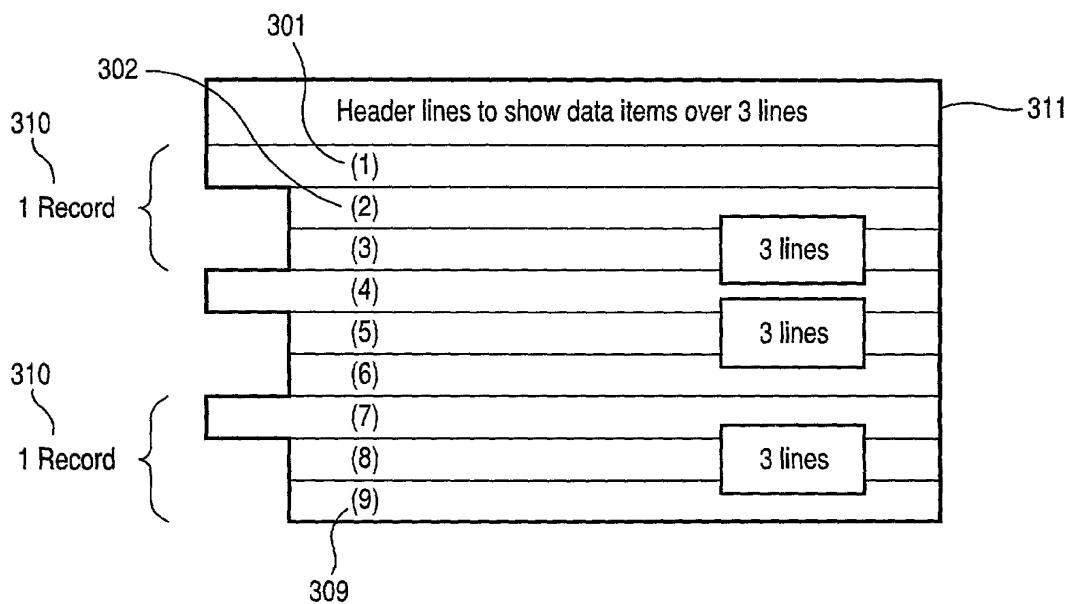


Fig. 3B

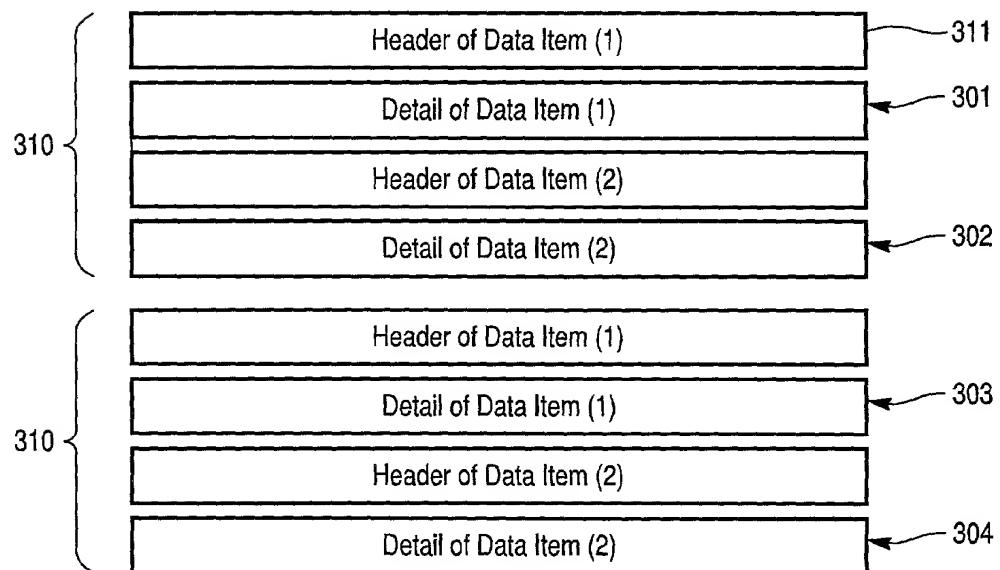


Fig. 3C

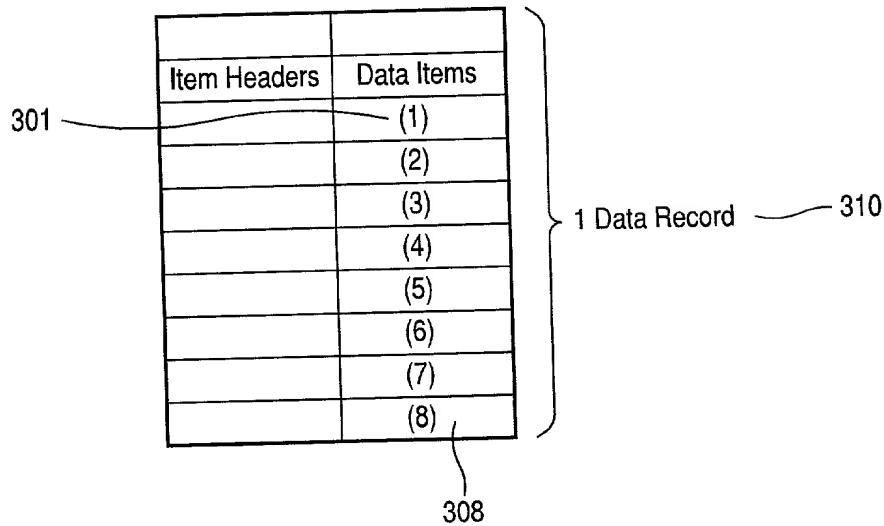


Fig. 3D

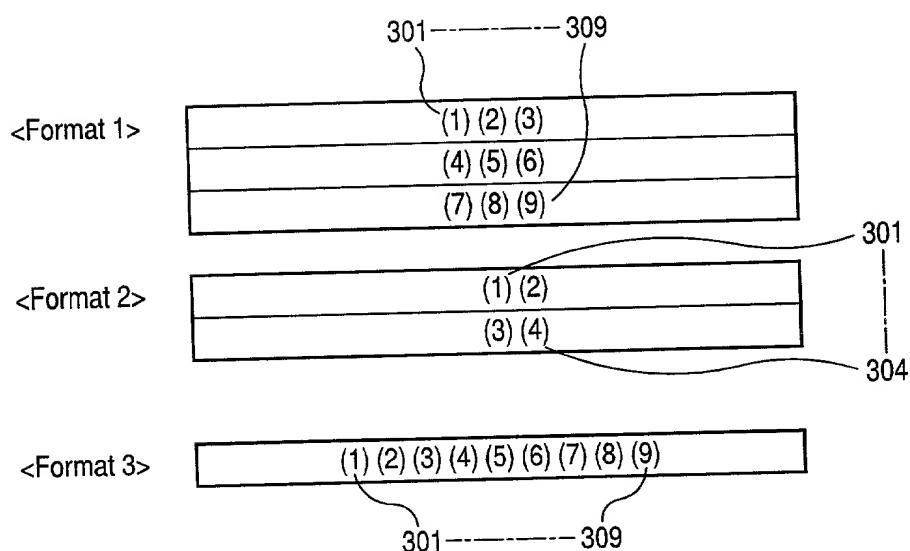


Fig. 4

<Hierarchy of Group Levels>

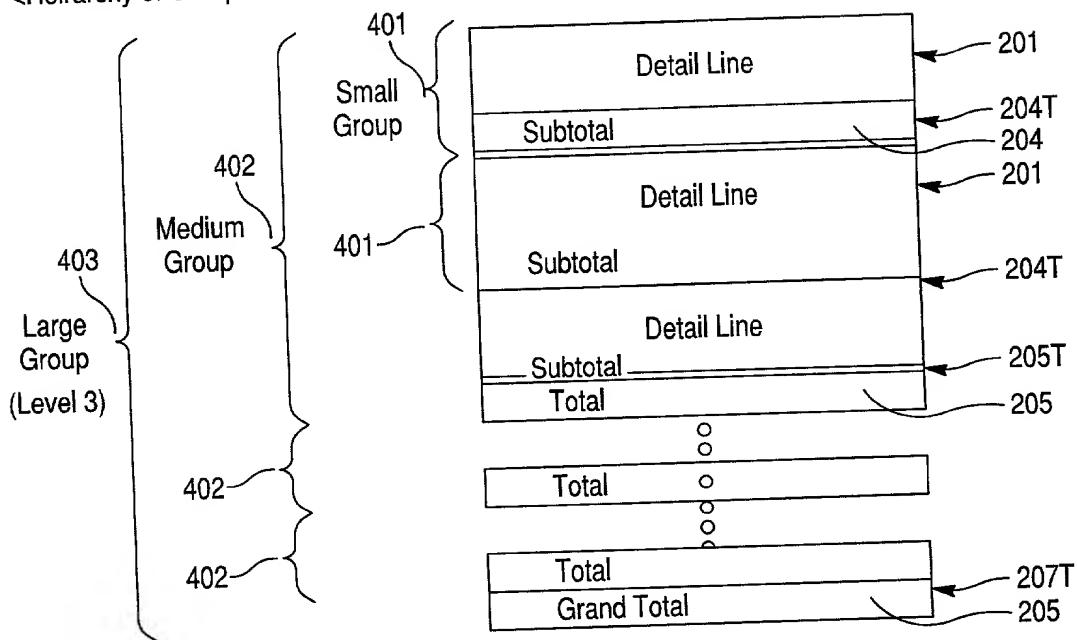


Fig. 5

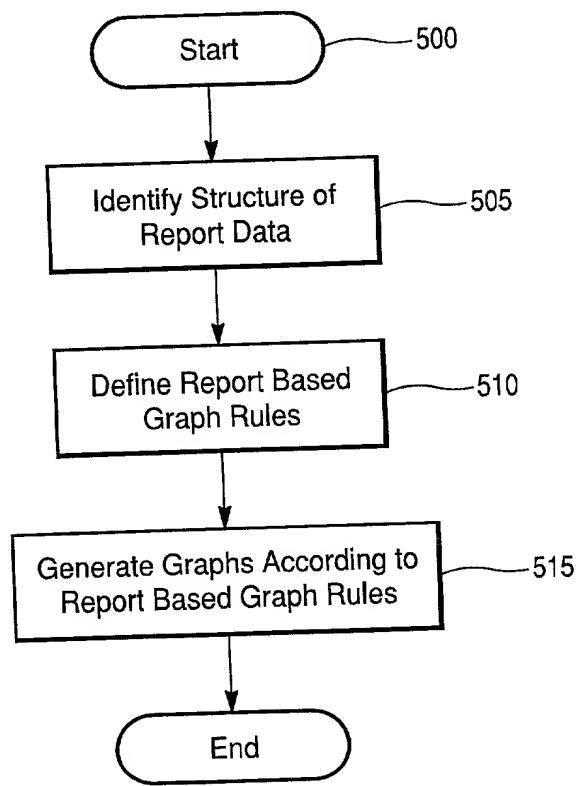


Fig. 6

203 203 203

Sec. 1

Products	Oct.	Nov.	Dec.	Total
AA	1,000	1,000	1,000	3,000
AB	2,000	2,000	2,000	6,000
AC	3,000	3,000	3,000	9,000
Total	6,000	6,000	6,000	18,000

(Item Name,etc.) 204H
Detail Line 201
Detail Line 201
Detail Line 201
Level 1 Total Line 204T

Title, Name, etc. 204
V Total Items 204
X Total Item 206
H Total Items 202

Fig. 7

402H

203 203 203

Tokyo Sales Dept.

Sec. 1 401H

Sec. 2 401H

Sec. 3 401H

Products	Oct.	Nov.	Dec.	Total
AA	1,000	1,000	1,000	3,000
AB	2,000	2,000	2,000	6,000
AC	3,000	3,000	3,000	9,000
Subtotal	6,000	6,000	6,000	18,000

(Title, etc.) 204H
(Item Name,etc.) 204H
Detail Line
Detail Line
Detail Line
Level 1 Total Line 204T

Dept. Tot. 12,000 12,000 12,000 36,000

Title, Name, etc. 204
V Total Items 204
X Total Item 206
H Total Items 202

206

Fig. 8

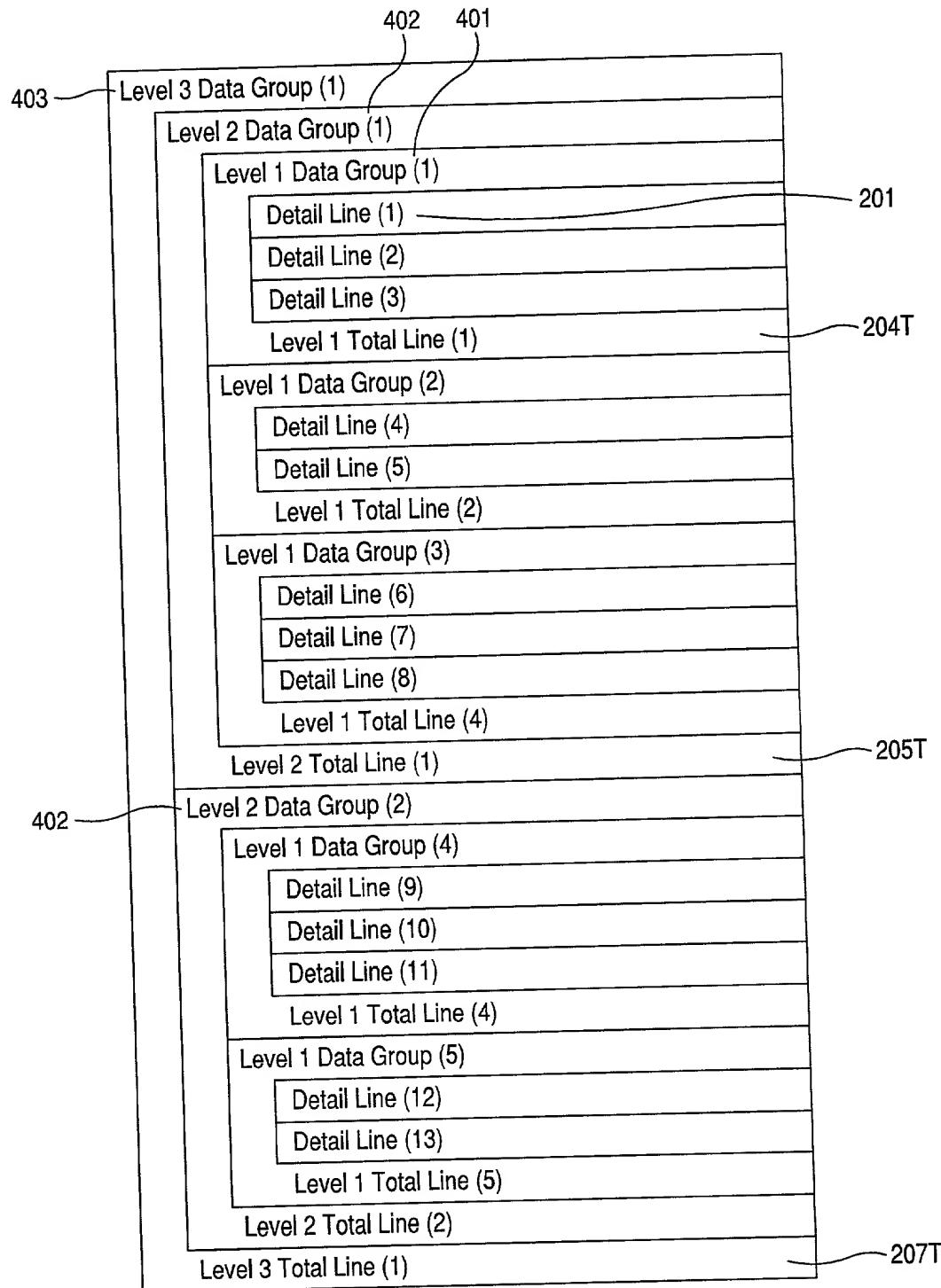


Fig. 9

Example of Report A
row number

		Product	901			To Fig. 9 cont. →
			Oct.	Nov.	Dec.	
1	Tokyo Sales Dept.					
2		Sec. 1	AA	1000	1000	3000
3			AB	2000	2000	6000
4			AC	3000	3000	9000
5			Subtotal	6000	6000	18000
6		Sec. 2	AA	1000	1000	3000
7			AB	2000	2000	6000
8			Subtotal	3000	3000	9000
9		Sec. 3	AA	1000	1000	3000
10			AB	2000	2000	6000
11			Subtotal	3000	3000	9000
12			Dept. Total	12000	12000	36000
13						
14						
15						
16	Yokohama Sales Dept.					
17		Sec. 1	Product	Oct.	Nov.	Dec.
18			AA	1000	1000	3000
19			AB	2000	2000	6000
20			AC	3000	3000	9000
21			Subtotal	6000	6000	18000
22		Sec. 2	AA	1000	1000	3000
23			AD	2000	2000	6000
24			Subtotal	3000	3000	9000
25			Dept. Subtotal	9000	9000	27000
26						
27						
28	Osaka Sales Dept.					
29		Sec. 1	Product	Oct.	Nov.	Dec.
30			AA	1000	1000	3000
31			AB	2000	2000	6000
32			AD	3000	3000	9000
33			Subtotal	6000	6000	18000
34		Sec. 2	AA	2000	2000	6000
35			AC	4000	4000	12000
36			Subtotal	6000	6000	18000
37			Dept. Subtotal	12000	12000	36000
38						
39						
40		Corporate Total		33000	33000	99000

Blue color items are "V Total Items"

903

To Fig. 9 cont. →

Red color items are "H Total Items"

Green color items are "X Total Items"

Fig. 9 (cont.)

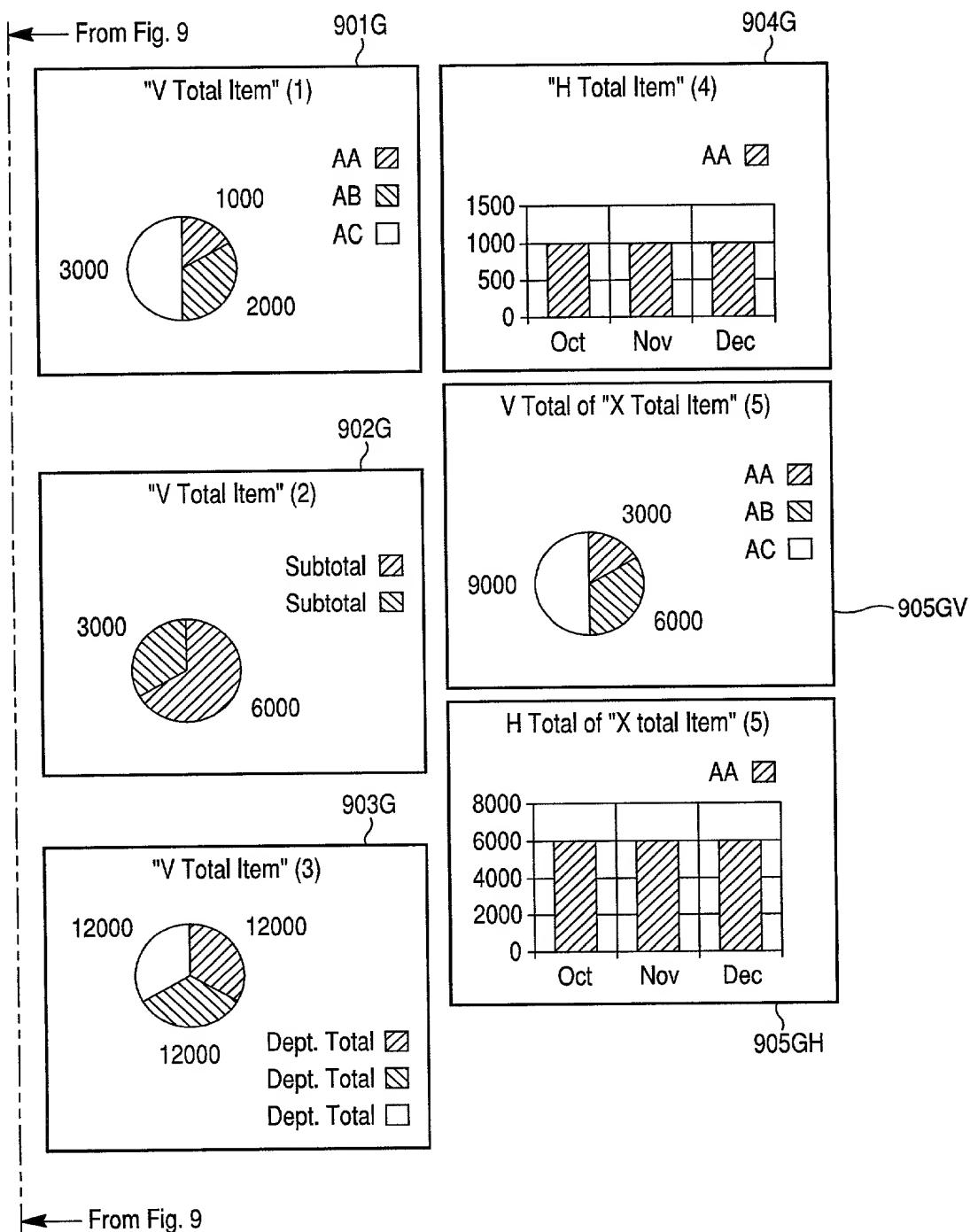


Fig. 10

Example of Report B

1010

1012

To Fig. 10 cont. -

To Fig. 10 cont.

Fig. 10 (cont.)

From Fig. 10

Sales (Dec 2000)

Tokyo Sales Dept.			
	Product	Qty.	Amt. (\$)
Sec. 1	AA	1200	14000
	AB	2200	24000
	AD	2000	40000
	Subtotal		78000
Sec. 2	AA	500	12000
	AB	800	24000
	AC	1000	10000
	AD	500	4000
Subtotal		50000	
Sec. 3	AA	1000	33000
	AC	1000	22000
	Subtotal		55000
	Dept. Total	(1)	183000

Yokohama Sales Dept.			
	Product	Qty.	Amt. (\$)
Sec. 1	AA	1400	1000
	AB	2000	40000
	Subtotal		50000
	Sec. 2	AA	1200
AC		1500	8000
AD		1000	12000
Subtotal			30000
Dept. Total	(2)	80000	

Osaka Sales Dept.			
	Product	Qty.	Amt. (\$)
			1002

1014

Transition of Oct. - Dec. V Total Item (1)

Tokyo Sales Dept.

Tokyo

1001G

1001

Transition of Oct. - Dec. V Total Item (2)

Yokohama Sales Dept.

Yokohama

1002G

Click Here!

Click Here!

From Fig. 10